

FILE 'REGISTRY' ENTERED AT 14:21:01 ON 13 JUL 2004  
 E LNTH/PG  
 L1 102372 SEA ABB=ON PLU=ON LNTH/PG AND OXIDE

FILE 'HCAPLUS' ENTERED AT 14:23:20 ON 13 JUL 2004  
 L2 3100 SEA ABB=ON PLU=ON (L1 OR LANTHANIDE OXIDE OR LANTHANUM OXIDE  
 OR LANTHANIDES(L)OXIDE OR OXIDES(L)LANTHANIDE) AND (PECVD OR  
 CVD OR LPCVD OR (CHEM OR VAP OR VAPOUR OR VAPOR)(2A)(DEPN OR  
 DEPOSIT####))

L3 477 SEA ABB=ON PLU=ON L2 AND (NOVEL##### OR ENHANC##### OR  
 IMPROV#####)

L4 52 SEA ABB=ON PLU=ON L2 AND ADVANTAG#####

L5 9 SEA ABB=ON PLU=ON L3 AND L4

L6 70 SEA ABB=ON PLU=ON L2 AND (NOVEL##### OR ENHANC##### OR  
 IMPROV#####)(4A)(METHOD OR PROCESS#####)

L7 10 SEA ABB=ON PLU=ON L2 AND ADVANTAG#####(4A)(METHOD OR  
 PROCESS#####)

L8 0 SEA ABB=ON PLU=ON L2 AND (NOVEL##### OR ENHANC##### OR  
 IMPROV#####)(4A)ADVANTAG#####

L9 9 SEA ABB=ON PLU=ON L2 AND (NOVEL##### OR ENHANC##### OR  
 IMPROV#####) AND ADVANTAG#####

L10 1 SEA ABB=ON PLU=ON L4 AND L6

L11 17 SEA ABB=ON PLU=ON L5 OR (L7 OR L8 OR L9 OR L10)

FILE 'HCAPLUS' ENTERED AT 14:27:50 ON 13 JUL 2004  
 L12 1107 SEA ABB=ON PLU=ON (L1 OR LANTHANIDE OXIDE OR LANTHANUM OXIDE  
 OR LANTHANIDES(L)OXIDE OR OXIDES(L)LANTHANIDE) AND (EBeam OR  
 E(W)BEAM OR BEAM(2A)ELECTRON##)  
 E ELECTRON BEAM/CT  
 E E3+ALL/CT  
 E ELECTRON BEAMS/CT  
 E E3+ALL/CT

FILE 'HCAPLUS' ENTERED AT 14:29:28 ON 13 JUL 2004  
 L13 484 SEA ABB=ON PLU=ON (L1 OR LANTHANIDE OXIDE OR LANTHANUM OXIDE  
 OR LANTHANIDES(L)OXIDE OR OXIDES(L)LANTHANIDE) AND CATHODE(2A)R  
 AY

L14 4 SEA ABB=ON PLU=ON L13 AND EVAP#####

L15 22 SEA ABB=ON PLU=ON L13 AND DEPOSIT#####

L16 62 SEA ABB=ON PLU=ON L13 AND COAT#####

L17 4 SEA ABB=ON PLU=ON L13 AND ADVANTAG#####

L18 71 SEA ABB=ON PLU=ON L13 AND (NOVEL OR IMPROV##### OR ENHANC##  
 #####)

L19 7 SEA ABB=ON PLU=ON L13 AND (DIELEC##### OR INSULAT#####)/  
 TI,ST,IT

FILE 'REGISTRY' ENTERED AT 14:31:35 ON 13 JUL 2004  
 L20 546 SEA ABB=ON PLU=ON HF.O/MF OR HF O/ELF OR HAFNIUM OXIDE

FILE 'HCAPLUS' ENTERED AT 14:31:49 ON 13 JUL 2004  
 L21 740 SEA ABB=ON PLU=ON L20 AND (PECVD OR CVD OR LPCVD OR (CHEM OR  
 VAP OR VAPOUR OR VAPOR)(2A)(DEPN OR DEPOSIT####))

L22 390 SEA ABB=ON PLU=ON L21 AND (DIELEC##### OR INSULAT#####)/  
 TI,ST,IT

L23 153 SEA ABB=ON PLU=ON L21 AND (NOVEL OR IMPROV##### OR ENHANC##  
 #####)

L24 17 SEA ABB=ON PLU=ON L21 AND ADVANTAG#####

L25 5 SEA ABB=ON PLU=ON L22 AND L23 AND L24

L26 86 SEA ABB=ON PLU=ON L22 AND L23

L27 15 SEA ABB=ON PLU=ON L22 AND L24

L28 6 SEA ABB=ON PLU=ON L23 AND L24

L29 0 SEA ABB=ON PLU=ON (L14 OR L15 OR L16 OR L17 OR L18 OR L19)  
 AND (L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28)

L30 11 SEA ABB=ON PLU=ON (L12 OR L13) AND (L21 OR L22 OR L23 OR L24)

OR L25 OR L26 OR L27 OR L28)  
 L31 0 SEA ABB=ON PLU=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10  
 OR L11) AND L30  
 L32 1 SEA ABB=ON PLU=ON (L14 OR L15 OR L16 OR L17 OR L18 OR L19)  
 AND L30  
 L33 11 SEA ABB=ON PLU=ON (L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR  
 L27 OR L28) AND L30  
 L34 148 SEA ABB=ON PLU=ON L5 OR (L9 OR L10) OR L14 OR L17 OR L19 OR  
 (L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR L32  
 OR L33) OR L15  
 L35 29 SEA ABB=ON PLU=ON L34 AND ADVANTAG#####  
 L36 102 SEA ABB=ON PLU=ON L34 AND (ENHANC##### OR IMPROV##### OR  
 NOVEL OR PROBLEM)  
 L37 113 SEA ABB=ON PLU=ON L34 AND (DIELEC##### OR INSULAT#####)  
 /TI,ST,IT  
 L38 92 SEA ABB=ON PLU=ON L36 AND L37  
 L39 10 SEA ABB=ON PLU=ON L35 AND L38  
 D ALL HITSTR TOT  
 L40 171 SEA ABB=ON PLU=ON ((L12 OR L13)) AND EVAP#####/TI,IT,ST  
 L41 40 SEA ABB=ON PLU=ON L2 AND L40  
 L42 2 SEA ABB=ON PLU=ON L20 AND L41  
 L43 2 SEA ABB=ON PLU=ON L42 NOT L39  
 D ALL HITSTR TOT  
 L44 595 SEA ABB=ON PLU=ON (L14 OR L15 OR L16 OR L17 OR L18 OR L19)  
 OR (L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11) OR (L23 OR  
 L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR  
 L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR  
 L42 OR L43)  
 L45 1 SEA ABB=ON PLU=ON L44 AND ADVANTAG#####/TI,ST,IT  
 D ALL TOT  
 L46 198 SEA ABB=ON PLU=ON L44 AND EVAP#####  
 L47 46 SEA ABB=ON PLU=ON L46 AND (DIELEC##### OR INSULAT#####)/  
 TI,ST,IT  
 L48 43 SEA ABB=ON PLU=ON L47 NOT (L45 OR L43 OR L39)  
 L49 35 SEA ABB=ON PLU=ON L48 NOT P/DT  
 L50 11 SEA ABB=ON PLU=ON L48 AND (IMPROV##### OR ENHANC#####  
 OR NOVEL OR ADVANTAG#####)  
 D ALL HITSTR TOT  
 E ELECTRON BEAM EVAPORATION/TI  
 E ELECTRON BEAM EVAPORATION/CT  
 E E3+ALL/CT  
 L51 6268 SEA ABB=ON PLU=ON "ELECTRON BEAM EVAPORATION"/CT OR (EVAPORAT  
 ION(L)ELECTRON AND EVAPORATION(L)BEAM) OR ("ELECTRON BEAMS"/CT  
 AND EVAPORATION/CT)

FILE 'HCAPLUS' ENTERED AT 14:47:06 ON 13 JUL 2004  
 L52 248 SEA ABB=ON PLU=ON (L1 OR LANTHANIDE OXIDE OR LANTHANUM OXIDE  
 OR LANTHANIDES(L)OXIDE OR OXIDES(L)LANTHANIDE) AND L51  
 L53 159 SEA ABB=ON PLU=ON L20(L)(CVD OR CHEM OR LPCVD OR PECVD)  
 L54 0 SEA ABB=ON PLU=ON L52 AND L53  
 L55 14 SEA ABB=ON PLU=ON L52 AND L20  
 L56 24 SEA ABB=ON PLU=ON L50 OR (L45 OR L43 OR L39)  
 L57 10 SEA ABB=ON PLU=ON L55 NOT L56  
 D ALL HITSTR TOT

TI Development of tungsten armor and bonding to copper for plasma-interactive components.  
AU Smid, I. (Austrian Res. Centre, Seibersdorf, Austria); Akiba, M.; Vieider, G.; Plochl, L.  
SO Journal of Nuclear Materials (Oct. 1998) vol.258-263, pt.A, p.160-72. 100 refs.  
Published by: Elsevier  
Price: CCCC 0022-3115/98/\$19.00  
CODEN: JNUMAM ISSN: 0022-3115  
SICI: 0022-3115(199810)258/263:AL.160:DTAB;1-Y  
Conference: 8th International Conference on Fusion Reactor Materials (CFRM-8). Sendai, Japan, 26-31 Oct 1997  
DT Conference Article; Journal  
TC Experimental; Bibliography  
CY Netherlands  
LA English

L7 ANSWER 4 OF 7 INSPEC (C) 2004 FIZ KARLSRUHE on STN

   
Full Text Abstract

AN 1996:5223488 INSPEC DN A9609-8245-021  
TI Electrochemical and surface properties of iron-containing AB<sub>5</sub>-type alloys.  
AU Meli, F.; Zuettel, A.; Schlapbach, L. (Inst. de Phys., Fribourg Univ., Switzerland)  
SO Journal of Alloys and Compounds (15 Dec. 1995) vol.231, no.1-2, p.639-44. 15 refs.  
Published by: Elsevier  
Price: CCCC 0925-8388/95/\$09.50  
CODEN: JALCEU ISSN: 0925-8388  
SICI: 0925-8388(19951215)231:1/2L.639:ESPI;1-C  
Conference: International Symposium on Metal-Hydrogen Systems - Fundamentals and Applications. Yamanashi-ken, Japan, 6-11 Nov 1994  
DT Conference Article; Journal  
TC Experimental  
CY Switzerland  
LA English

L7 ANSWER 5 OF 7 INSPEC (C) 2004 IEE on STN

   
Full Text Abstract

AN 1992:4227225 INSPEC DN A9219-3480G-003  
TI Inelastic scattering of slow electrons by lanthanum oxide.  
AU Smirnov, Yu.M. (Moscow Energy Inst., Russia)  
SO Journal of Applied Spectroscopy (Dec. 1991) vol.55, no.6, p.1263-8. 12 refs.  
Price: CCCC 0021-9037/91/5506-1263\$12.50  
CODEN: JASYAP ISSN: 0021-9037  
Translation of: Zhurnal Prikladnoi Spektroskopii (Dec. 1991) vol.55, no.6, p.988-93. 12 refs.  
CODEN: ZPSBAX ISSN: 0514-7506  
DT Journal; Translation Abstracted  
TC Experimental  
CY United States  
LA English

L7 ANSWER 6 OF 7 INSPEC (C) 2004 IEE on STN

   
Full Text Abstract

AN 1991:3959660 INSPEC DN A91116797  
TI Electron emission characteristics of sputtered lanthanum hexaboride.  
AU Mroczkowski, S.J. (Midwest Res. Technol. Inc., Milwaukee, WI, USA)  
SO Journal of Vacuum Science & Technology A (Vacuum, Surfaces, and Films) (May-June 1991) vol.9, no.3, pt.1, p.586-90. 14 refs.  
Price: CCCC 0734-2101/91/030586-05\$01.00  
CODEN: JVTAD6 ISSN: 0734-2101  
Conference: 37th National Symposium of the American Vacuum Society. Toronto, Ont., Canada, 8-12 Oct 1990  
DT Conference Article; Journal